

■ 主要技术性能 Specifications

项目 Items	特性 Characteristics																																																					
工作温度范围 Category Temperature Range	-55℃~+105℃																																																					
额定电压范围 Rated Voltage Range	4~100V.DC																																																					
标称容量范围 Nominal Capacitance Range	0.47 μ F - 1500 μ F																																																					
标称容量允许偏差 Nominal Capacitance Tolerance	$\pm 20\%$ (120Hz,+20℃)																																																					
泄漏电流范围 Leakage Current(MAX)	$I=0.01CV(\mu A)$ or $3(\mu A)$ after 2 minutes I =Leakage Current(μA) C =Nominal Capacitance(μF) V =Roted Voltage(V)																																																					
损耗角正切值 Dissipation Factor(MAX) Tan δ (20℃,120Hz)	<table border="1"> <thead> <tr> <th>Rated Voltage(V)</th> <th>4</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> </tr> </thead> <tbody> <tr> <td>Tan δ</td> <td>0.35</td> <td>0.30</td> <td>0.24</td> <td>0.20</td> <td>0.18</td> <td>0.16</td> <td>0.14</td> <td>0.14</td> <td>0.14</td> </tr> </tbody> </table>	Rated Voltage(V)	4	6.3	10	16	25	35	50	63	100	Tan δ	0.35	0.30	0.24	0.20	0.18	0.16	0.14	0.14	0.14																																	
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耐久性 Load Life	<p>105℃施加额定工作电压2000H后, 放置16H, 电容器应满足以下要求。 After applying rated voltage with max ripple current for 2000hrs at 105℃, and then resumed 16 hours, the capacitors shall meet the following requirements</p> <table border="1"> <tbody> <tr> <td>Capacitance Change</td> <td>$\pm 30\%$初始值以内</td> <td>Within $\pm 30\%$ of the initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>$\leq 200\%$初始值以内</td> <td>Not more than 200% of the specified value</td> </tr> <tr> <td>Leakage Current</td> <td>\leq初始规定值</td> <td>Not more than the specified value</td> </tr> </tbody> </table>	Capacitance Change	$\pm 30\%$ 初始值以内	Within $\pm 30\%$ of the initial value	Dissipation Factor	$\leq 200\%$ 初始值以内	Not more than 200% of the specified value	Leakage Current	\leq 初始规定值	Not more than the specified value																																												
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高温贮存 Shelf Life	<p>105℃, 贮存1000H后, 放置16H, 电容器应满足以下要求。 After storage for 1000hrs at 105℃, then resumed 16 hours, the capacitors shall meet the following requirements</p> <table border="1"> <tbody> <tr> <td>Capacitance Change</td> <td>$\pm 30\%$初始值以内</td> <td>Within $\pm 30\%$ of the initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>$\leq 200\%$初始值以内</td> <td>Not more than 200% of the specified value</td> </tr> <tr> <td>Leakage Current</td> <td>$\leq 300\%$初始值以内</td> <td>Within 300% of initial specified value</td> </tr> </tbody> </table>	Capacitance Change	$\pm 30\%$ 初始值以内	Within $\pm 30\%$ of the initial value	Dissipation Factor	$\leq 200\%$ 初始值以内	Not more than 200% of the specified value	Leakage Current	$\leq 300\%$ 初始值以内	Within 300% of initial specified value																																												
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耐焊接热 Resistance to Soldering Heat	<p>在250℃的条件下, 电容器在热板上保持30秒, 然后从热板上取出电容器, 让其在室温下恢复, 电容器应满足以下要求。 The capacitors shall be kept on then hot plate maintained at 250℃ for 30 seconds. After removing from the hot plate and restored at room temperature, they meet the following requirement:</p> <table border="1"> <tbody> <tr> <td>Capacitance Change</td> <td>$\pm 10\%$初始值以内</td> <td>Within $\pm 10\%$ of the initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>\leq初始值规定值</td> <td>Not more than the initial specified value</td> </tr> <tr> <td>Leakage Current</td> <td>\leq初始值规定值</td> <td>Not more than the initial specified value</td> </tr> </tbody> </table>	Capacitance Change	$\pm 10\%$ 初始值以内	Within $\pm 10\%$ of the initial value	Dissipation Factor	\leq 初始值规定值	Not more than the initial specified value	Leakage Current	\leq 初始值规定值	Not more than the initial specified value																																												
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